

Hydrogenase

- See *Abstraction reaction kinetics*, hydrogen
- Hydrogenase**
For related subclasses see *E.C. 1*.
- Hydrogenated castor oil**
Valid heading during volumes 126-130 (1997-June 1999) only
See *Castor oil*, hydrogenated
- Hydrogenated oils**
Valid heading during volumes 126-130 (1997-June 1999) only
See *Fats and Glyceridic oils*, hydrogenated
- Hydrogenated petroleum resins**
Valid heading during volumes 129-130 (July 1998-June 1999) only
See *Petroleum resins*, hydrogenated
- Hydrogenated soybean oil**
Valid heading during volumes 126-130 (1997-June 1999) only
See *Soybean oil*, hydrogenated
- Hydrogenated vegetable oils**
Valid heading during volumes 126-130 (1997-June 1999) only
See *Fats and Glyceridic oils*, vegetable, hydrogenated
- Hydrogenation**
See also narrower: *Fischer-Tropsch reaction*
See also related:
Hydriding
Hydrocracking
Hydrogenation catalysts
Hydrogenation enthalpy
Hydrogenation kinetics
Hydrogenation catalysts
See also narrower: *Fischer-Tropsch catalysts*
See also related: *Hydrogenation*
Hydrogenation enthalpy
See also related:
Hydrogenation
Hydrogen shift enthalpy
Hydrogen transfer enthalpy
Protonation enthalpy
- Hydrogenation kinetics**
See also related: *Hydrogenation*
- Hydrogen azide**
See *Hydrazoic acid* (7782-79-8)
- Hydrogen bombs**
See *Nuclear weapons*
- Hydrogen bond**
See also related:
Complexation
Hydrogen bonding enthalpy
Molecular association
Self-assembly
Supramolecular structure
- Hydrogen bonding**
See *Hydrogen bond*
- Hydrogen bonding enthalpy**
See also related:
Association enthalpy
Hydrogen bond
- Hydrogen bromide (HBr)**
See *Hydrobromic acid* (10035-10-6)
- Hydrogen bromide (HBr₂)**
See *Hydrogen tribromide* (12234-01-4)
- Hydrogen carbonates**
See *Bicarbonates*
- Hydrogen chloride (HCl)**
See *Hydrochloric acid* (7647-01-0)
- Hydrogen cyanide**
See *Hydrocyanic acid* (74-90-8)
- Hydrogen deuteride**
See *Deuterium, mol. with hydrogen (HD)* (13983-20-5)
- Hydrogen diffusion**
Valid heading during volumes 126-130 (1997-June 1999) only
See
Diffusion
hydrogen
Hydrogen (1333-74-0)
diffusion
- Hydrogen dioxide**
See *Hydrogen peroxide (H₂O₂)* (7722-84-1)
- Hydrogen disulfide**
See *Hydrogen sulfide (H₂S)* (13465-07-1)
- Hydrogen embrittlement**
Valid heading during volumes 126-130 (1997-June 1999) only
See
Embrittlement
hydrogen
Hydrogen (1333-74-0)
embrittlement
- Hydrogen fluoride (HF)**
See *Hydrofluoric acid* (7664-39-3)
- Hydrogen halides**
See also related:
Dehydrohalogenation
Gastric acid
Hydrohalogenation
- Hydrogen hexachloroplatinate(IV)**
See *Platinate(2-), hexachloro-, dihydrogen, (OC-6-11)-* (16941-12-1)
- Hydrogen hexafluorophosphate**
See *Phosphate(1-), hexafluoro-, hydrogen* (16940-81-1)
- Hydrogenic atoms**
See also related: *Ions*
- Hydrogenic ions**
See *Hydrogenic atoms*
- Hydrogen iodide (HI)**
See *Hydroiodic acid* (10034-85-2)
- Hydrogen iodide (HI₂)**
See *Hydrogen triiodide* (12435-62-0)
- Hydrogen ion (H⁺)**
See *Hydrogen ion (H⁺) in solutions and solid-state electrolytes* is indexed at this heading. For gaseous H⁺ see *Proton*. For other ionic species see *Hydrogen*
- Hydrogen ion, analysis**
See also *pH*
- Hydrogen ion, biological studies**
secretion of, by stomach — see also *Stomach, acid*

- secretion by
- Hydrogen ion, occurrence**
in soils — see also *Soils*
- Hydrogen ion, properties**
affinity for — see also *Proton affinity*
concn. of — see also *pH*
- Hydrogen ion, reactions**
addn. or transfer of — see also *Protonation*
- Hydrogen ion, compounds**
hydrate (H₃O⁺) — see *Oxonium* (13968-08-6)
- Hydrogen-like atoms**
See *Hydrogenic atoms*
- Hydrogen-lyase**
See *Hydrogenase* (9027-05-8)
—, formate
See also *Dehydrogenase, formate* (9028-85-7)
- Hydrogen mordenite-type zeolites**
- Hydrogenobalamin**
See *Hydrogenobinamide, dihydrogen phosphate (ester), 3'-ester with 5,6-dimethyl-1- α -D-ribofuranosyl-1H-benzimidazole* (41632-95-5)
- Hydrogenobryic acid**
See *Hydrogenobryic acid-abcdg-hexamide* (30811-10-0)
- Hydrogenolysis**
See also related:
Hydrocracking
Hydrogenolysis catalysts
Hydrogenolysis kinetics
- Hydrogenolysis catalysts**
See also narrower: *Hydrocracking catalysts*
See also related: *Hydrogenolysis*
- Hydrogenolysis kinetics**
See also related: *Hydrogenolysis*
- Hydrogenomomas eutropha**
See *Ralstonia eutropha*
- Hydrogenomomas facilis**
See *Acidovorax facilis*
- Hydrogen oxide**
See also
Hydrogen tetroxide (29683-94-1)
Hydrogen trioxide (14699-99-1)
- Hydrogen oxide (HO)**
See *Hydroxyl* (3352-57-6)
- Hydrogen oxide (HO₂)**
See *Hydroperoxo* (3170-83-0)
- Hydrogen oxide (HO₃)**
See *Hydrotrioxyl* (12500-78-6)
- Hydrogen oxide (H₂O₂)**
ion(1+) — see *Hydrogen(1+), diaqua-* (22206-74-2)
- Hydrogen ozonide**
See *Hydrotrioxyl* (12500-78-6)
- Hydrogen persulfide**
See *Hydrogen sulfide (H₂S)* (13465-07-1)
- Hydrogen phosphide**
See *Phosphine* (7803-51-2)
- Hydrogen selenide (H₂Se)** (7783-07-5)
Studies of unspecified hydrogen selenides are also indexed at this heading. Species with other molecular formulas are indexed at their own headings
- Hydrogen sesquioxide (H₂O₃)**
See *Hydrogen trioxide* (14699-99-1)
- Hydrogen shift**
See also related:
Hydrogen shift enthalpy
Hydrogen shift kinetics
Tautomerization
- Hydrogen shift enthalpy**
See also related:
Hydrogenation enthalpy
Hydrogen shift
Hydrogen transfer enthalpy
Isomerization enthalpy
Protonation enthalpy
- Hydrogen shift kinetics**
See also related: *Hydrogen shift*
- Hydrogen sulfide (H₂S)** (7783-06-4)
Studies of unspecified hydrogen sulfides are also indexed at this heading. Species with other molecular formulas are indexed at their own headings
- Hydrogen sulfite reductase**
See *Reductase, bisulfite* (9059-42-1)
- Hydrogen sulfites**
Valid heading during volumes 126-130 (1997-June 1999) only
See *Bisulfites*
- Hydrogen superoxide (H₂O₃)**
See *Hydrogen trioxide* (14699-99-1)
- Hydrogen superoxide (H₂O₄)**
See *Hydrogen tetroxide* (29683-94-1)
- Hydrogen tetrachloroaurate (III)**
See *Aurate(1-), tetrachloro-, hydrogen, (SP-4-1)-* (16903-35-8)
- Hydrogen thioperoxide (H₂OS)** (62607-44-7)

HS-OH

- Hydrogen transfer**
See also narrower:
Hydride shift
Hydride transfer
Hydrogen shift
See also related:
Hydrogen transfer catalysts
Hydrogen transfer enthalpy
Hydrogen transfer kinetics
Proton affinity
Proton transfer
- Hydrogen transfer catalysts**
See also related:
Hydrogen transfer
Protonation catalysts
- Hydrogen transfer enthalpy**
See also related:
Hydrogenation enthalpy
Hydrogen shift enthalpy
Hydrogen transfer
Protonation enthalpy
- Hydrogen transfer kinetics**
See also narrower:
Hydride transfer kinetics
Hydrogen shift kinetics
See also related:
Deprotonation kinetics
Hydrogen transfer
Protonation kinetics
- Hydrogen tritide**
See *Tritium, mol. with hydrogen (HT)* (14885-60-0)
- Hydrogeology**
See *Waters*
- Hydrogral M**
See *Resin acids, hydrogenated, Me esters*
- Hydrogrammic acid**
See *Cycloprop[*e*]indene-4-carboxylic acid, 1a,2-diformyl-1,1a,3a,6,6a,6b-hexahydro-5,6b-dimethyl-, (1aS,3aS,6aS,6bR)-* (200950-45-4)
- Hydrogrossular**
See
Garnet-group minerals
hydrogrossular
Hibschite (12173-55-6)
Katoite (94185-84-9)
- Hydrohalides**
See *Hydrogen halides*
- Hydrohalimic acid**
See *1-Naphthalenecarboxylic acid, 1a,2,3,5,6,7,8,8a-octahydro-5-((3S)-5-hydroxy-3-methylpentyl)-1,5,6-trimethyl-, (1S,5S,6R,8aS)-* (70868-66-5)
- Hydrohalloysite**
See *Endellite (Al₂(Si₂O₇)₄H₂O)* (12244-16-5)
- Hydrohalogenation**
See also narrower:
Hydrobromination
Hydrochlorination
Hydrofluorination
See also related: *Hydrogen halides*
- Hydroheptelidic acid**
See *2-Propenoic acid, 2-(hydroxymethyl)-3-((3aS,4S,5R,7aS)-octahydro-7a-hydroxy-5-(1-methylethyl)-3-oxo-4-isobenzofuranyl)-, (2E)-* (192818-49-8)
- Hydrohydrastrine**
See *1,3-Dioxolol[4,5-g]isquinoline, 5,6,7,8-tetrahydro-6-methyl-* (494-55-3)
- Hydroid**
See *Hydrozoa*
- Hydroisoferric acid**
See *Benzenepropanoic acid, 3-hydroxy-4-methoxy-* (1135-15-5)
- Hydroisovanilloin**
See *1,2-Ethanediol, 1,2-bis(3-hydroxy-4-methoxyphenyl)-* (4433-67-4)
- Hydroizol**
See *Bitumens*
- α -Hydrojuglone**
See *1,4,5-Naphthalenetriol* (481-40-3)
- β -Hydrojuglone**
See *1,4-Naphthalenedione, 2,3-dihydro-5-hydroxy-* (6312-53-4)
- Hydrokollag**
See *Graphite* (7782-42-5), colloidal
- Hydrol (insecticide)**
See *Phenol, 4-(di-2-propenylamino)-3,5-dimethyl-, methylcarbamate (ester)* (6392-46-7)
- Hydrol (surfactant)**
See *Poly(oxy-1,2-ethanediyl), α -[(1,1,3,3-tetra-methylbutyl)phenyl]- ω -hydroxy-* (9036-19-5)
- Hydrol 110**
See *Coconut oil*
- Hydrolact**
See *Galactosidase, β -* (9031-11-2)
- Hydrolactin 2500**
See *Proteins, specific or class, whey*
- Hydrolagus collei**
Ratfish is also indexed at this heading
- Hydrolan**
See *Lanolin, hydrogenated*
- Hydrolapachol**
See *1,4-Naphthalenedione, 2-hydroxy-3-(3-methylbutyl)-* (3343-38-2)
- Hydrolase** (9027-41-2)
A complete listing of this class is given at the Enzyme Commission number *E.C. 3*. See also Headings for subclasses named by adding "-ase" to a root stem derived from the groups hydrolyzed such as *Amidase*; *Phosphatase* or from the substrate class hydrolyzed such as *Chlorophyllase*. Proteinases may be named in accord with their source such as *Papain*
- , *acylpeptide*
See *Peptidase, acylaminoacyl-* (73562-30-8)
- , *aminocaproate linear dimer*
See *Hydrolase, 6-aminohexanoate linear oligomer* (75216-15-8)
- , *β -cyanoalanine*
See *Hydratase, β -cyanoalanine* (37259-64-6)
- , *cytidine monophosphosialate*
See *Phosphodiesterase, cytidine monophosphocytidylneuraminat* (55326-41-5)
- , *γ -D-glutamyl-(L)-meso-diaminopimelate peptidoglycan*
See *Peptidase, γ -D-glutamyl-diaminopimelate* (62572-28-5)
- , *long-chain acyl coenzyme A*
See *Hydrolase, palmitoyl coenzyme A* (9025-87-0)
- , *methylmethionine sulfonium salt*
See *Hydrolase, adenosylmethionine* (37288-62-3)
- , *pyroglutamate*
See *5-Oxoprolinase (adenosine triphosphate-hydrolyzing)* (9075-46-1)
- Hydrolene 80**
See *Fats and Glyceridic oils, vegetable, sulfated*
- Hydrolene C 75**
See *Fats and Glyceridic oils, vegetable, sulfated*
- Hydrolene**
See *Wool wax, hydrogenated*
- Hydrolith**
See *Acetic acid ethenyl ester, polymers, homopolymer,*